PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS VIDEO TUTORIAL PADA PENGUJIAN KUAT TEKAN DAN LENTUR BAHAN BETON DAN KAYU MELALUI SOSIAL MEDIA INSTAGRAM

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Abstrak

Penelitian ini bertujuan untuk (1) Mengembangkan media pembelajaran pengujian bahan beton dan kayu menggunakan sosial media instagram. (2) Mengetahui tingkat kelayakan media pembelajaran berbasis video tutorial pada pengujian kuat tekan dan lentur bahan beton dan kayu. Penelitian ini menggunakan metode *research and development* dan teknik analisa data menggunakan analisis deskriptif. Adapun tahap pengembangan pada media pembelajaran ini (1) Tahap Pra Produksi : komunikasi pakar,ahli media,dan pembelajaran,.(2) Tahap Produksi : pengambilan video dan *dubbing*. (3) Tahap Pasca Produksi : *editing* dan uji kelayakan video . Hasil penelitian sebagai berikut, (1) Pengembangan media pembelajaran berbasis video tutorial pada pengujian kuat tekan dan lentur bahan beton dan kayu mampu dikembangkan dan digunakan sebagai media pembelajaran. (2) Tingkat kelayakan yang telah dilakukan pada uji validasi materi, media, social media, dan pembelajaran adalah 82.37%.

Kata Kunci: Kuat Tekan, Kuat Lentur, Beton, Kayu, Media Pembelajaran *Online*, *Instagram*

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DEVELOPMENT OF VIDEO TUTORIAL-BASED LEARNING MEDIA ON TESTING THE STRONG PRESSING AND STRAIGHTING OF CONCRETE AND WOOD MATERIALS THROUGH SOCIAL MEDIA INSTAGRAM

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Abstract

The research aims to (1) Develop learning media for testing concrete and wood materials using Instagram social media. (2) Knowing the feasibility level of video tutorial based learning media on the testing of compressive strength and bending of concrete and wood materials. This study uses research and development methods and data analysis techniques using descriptive analysis. The development stage in this learning media (1) Pre Production Phase: communication experts, media experts, and learning. (2) Production Phase: video capture and dubbing. (3) Post Production Phase: editing and testing the feasibility of the video. The results of the study are as follows, (1) The development of video tutorial-based learning media on the testing of compressive strength and bending of concrete and wood materials can be developed and used as learning media. (2) The level of feasibility that has been done in the material validation test, media, social media, and learning is 82.37%.

Keywords: Compressive Strength, Flexural Strength, Concrete, Wood, Online Learning Media, Instagram

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